

separating an accumulated layer containing the metallic thin film and the heat-resistant resin layer from the inner surface of the drum.

22. (New) The process according to claim 21, wherein the inner surface of the drum is coated with a releasing agent before forming the metallic thin film.

23. (New) The process according to claim 21, wherein the inner surface of the metallic thin film is subjected to a chemical etching treatment before forming the heat-resistant resin layer.

24. (New) The process according to claim 21, further comprising the step of applying a compression force to the accumulated body of the metallic thin film and the layer of heat-resistant resin peeled off from the inner surface of the drum in a thickness direction thereof.

25. (New) The process according to claim 21, wherein the step of forming the layer containing a heat-resistant resin comprises the steps of:

forming a layer of a polyamide acid solution on the metallic thin film; and  
subjecting the layer to imidization by heating to form a film member containing polyimide.

26. (New) The process according to claim 21, wherein the step of forming the layer of a heat-resistant resin comprises the steps of:

placing a polyamide acid solution in an inner surface of the drum;  
rotating the drum in a circumferential direction to make the solution be a layer on the metallic thin film; and  
subjecting the solution to imidization by heating to form a film member containing polyimide.

27. (New) The process according to claim 21, wherein the step of forming the layer of a heat-resistant resin comprises the steps of:

placing a polyamide acid solution in the inner surface of the drum;  
rotating the drum in a circumferential direction to make the solution be a layer on the metallic thin film; and  
subjecting the solution to imidization by heating to form a film member containing polyimide, and wherein a porous film of a fluorine resin or a nonwoven fabric of a heat-resistant resin is arranged to closely attach to the inner surface of the drum before forming the layer of the polyamide acid solution.

28. (New) The process according to claim 21, wherein the step of forming the layer of a heat-resistant resin comprises the steps of:

forming a layer of a polymer solution of aromatic polyamide on the metallic thin film;  
and  
removing a solvent contained in the solution.

29. (New) The process according to claim 21, wherein the step of forming the layer of a heat-resistant resin comprises the steps of:

placing a polymer solution of aromatic polyamide in the inner surface of the drum; and  
rotating the drum in a circumferential direction.

30. (New) The process according to claim 21, wherein the step of forming the metallic thin film comprises the step of:

conducting electroplating or electroless plating on the inner surface of the drum.

31. (New) The process according to claim 21, wherein the step of forming the metallic thin film comprises the step of:

attaching a metallic foil on the inner surface of the drum.

32. (New) The process according to claim 21, further comprising the step of:  
forming a layer of a heat-resistant resin on an outer surface of the accumulated body of the metallic thin film and the layer of heat-resistant resin and peeling off an accumulated body from the inner surface of the drum.